

for which many plants furnish material,<sup>1</sup> and which is available even against large game, which is fretted and worn out by it until it becomes the prey of man. A Botocudo hunter grates the eggs of an alligator together, when he finds them on the bank, and so entices the mother.<sup>2</sup> The Yuroks of California sprinkled berries on the shallow bottom of a river and stretched a net a few inches below the surface of the water. Ducks diving for the berries were caught by the neck in the meshes and drowned. As they hung quiet they did not frighten away others.<sup>3</sup> The Tarahumari catch birds by stringing corn kernels on a fiber which is buried underground. The bird swallows the corn and cannot eject it.<sup>4</sup> Various animals were trained to help man in the food quest and were thus drawn into the industrial organization. The animals furnished materials (skin, bone, teeth, hair, horns) and also tools, so that the food quest broadened beyond the immediate supply of food into mechanical industrial forms. The Shingu Indians, although they lived on the product of the ground, were obliged to continue the chase because of the materials and implements which they got from the animals. They used the jaw of a fish, with the teeth in it, as a knife; the arm and leg bones of apes as arrow points; the tail spike of a skate for the same; the two front claws of the armadillo to dig the ground (a process which the animal taught them by the same use of his claws); the shell of a river mussel as a scraper to finish wooden tools. "These people were hunters without dogs, fishers without hooks, and tillers without plow or spade. They show how much development life was capable of in the time before metals."<sup>5</sup> The palometa is a fish which weighs two or three

pounds. It has  
fourteen teeth in each jaw so sharp that the  
Abipones shear sheep  
with the jaw.<sup>6</sup> Such cases might be pursued into  
great detail.  
They show acute observation, great ingenuity,  
clever adaptation,  
and teachableness. The lasso, bola, boomerang, and  
throw knife,

<sup>1</sup> Mason, *Origin of Invention* ^ 252.

<sup>3</sup> Tylor, *Anthrop.*, 208.

<sup>8</sup> Powers, *California Indians* ^ 50.

<sup>4</sup> Lumholtz, *Scribner's*, October, 1894, 448.

<sup>6</sup> Von den Steinen, *Berl. Mus.*, 1888, 205.

<sup>6</sup> Southey, *Brazil*, I, 131.